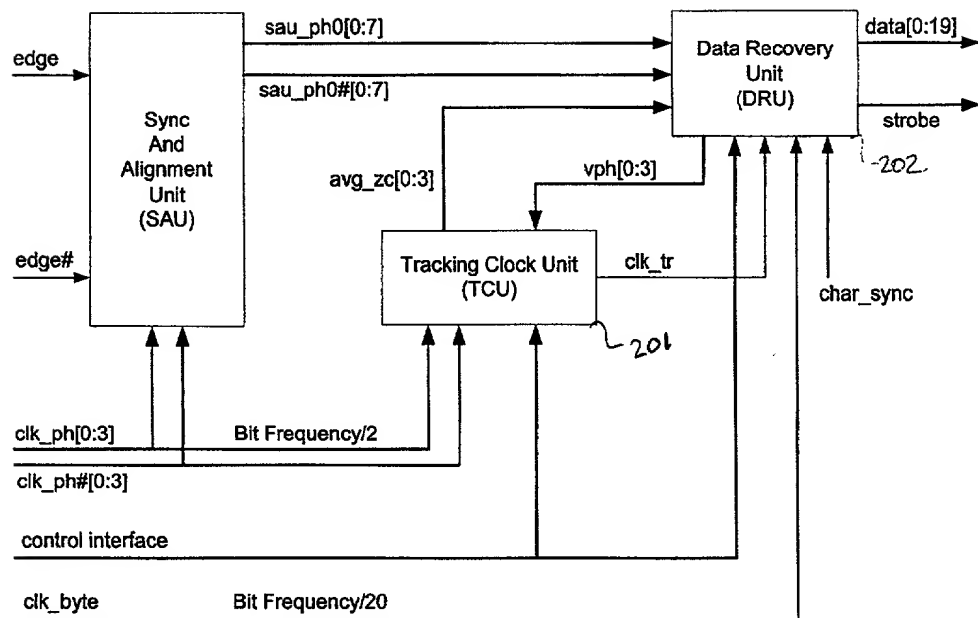


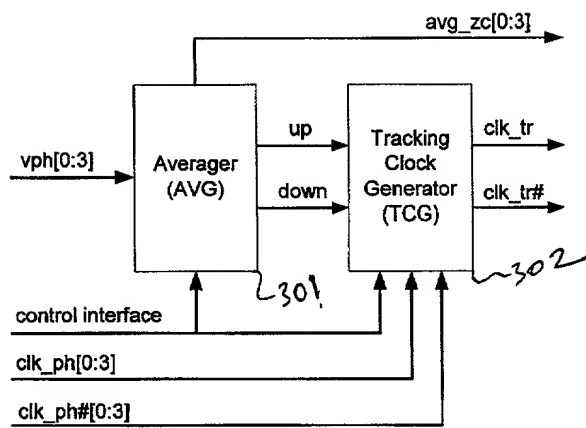
High Level Block Diagram of Edge Based Receiver for 2.5Gb/s operation.

FIG. 1



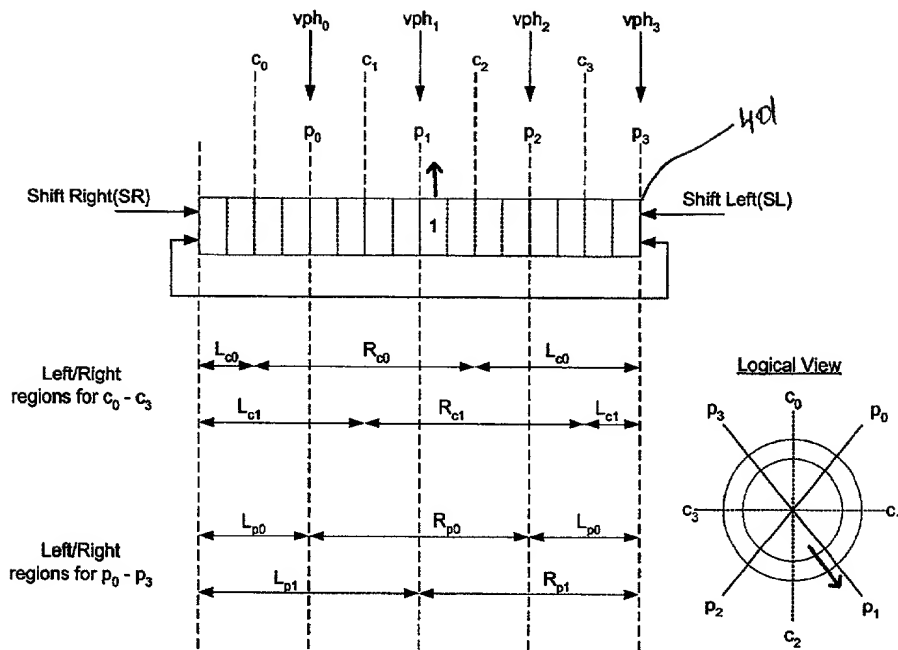
Edge Processing Block Diagram.

Fig. 2



Tracking Clock Unit (TCU) Block Diagram.

FIG. 3



Legend :

p_i - phase i position

L_{pi} - region left of p_i

L_{ci} - region left of c_i

c_i - phase i center

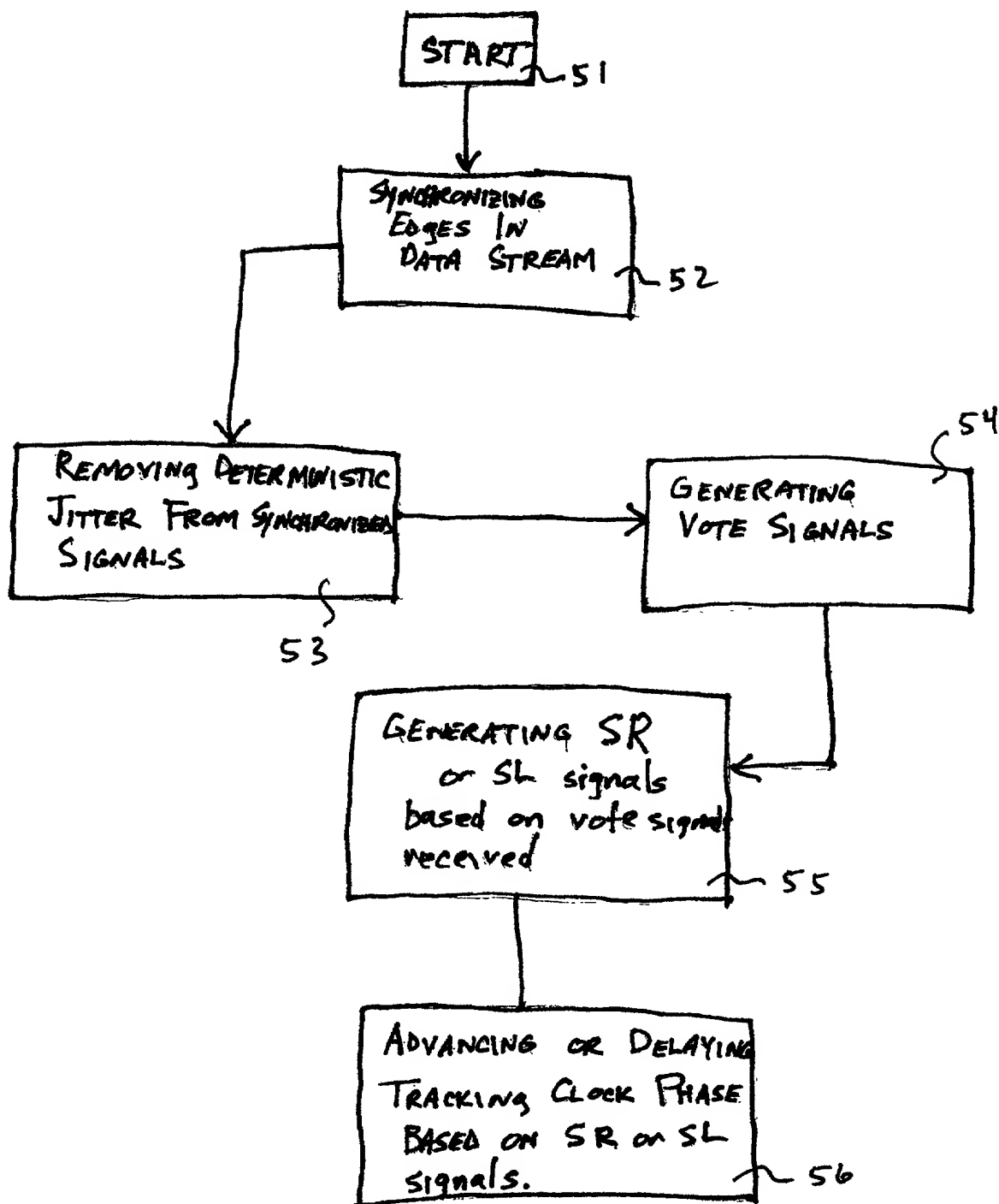
R_{pi} - region right of p_i

R_{ci} - region right of c_i

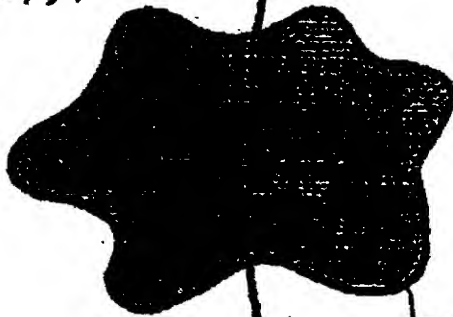
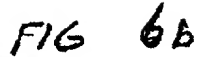
Barrel Shifter for Phase Tracking.

FIG. 4

FIG. 5



Parameter	Value	Unit	Source
α	0.001	cm ² s ⁻¹	Table 1
β	0.001	cm ² s ⁻¹	Table 1
γ	0.001	cm ² s ⁻¹	Table 1
δ	0.001	cm ² s ⁻¹	Table 1
ϵ	0.001	cm ² s ⁻¹	Table 1
ζ	0.001	cm ² s ⁻¹	Table 1
η	0.001	cm ² s ⁻¹	Table 1
θ	0.001	cm ² s ⁻¹	Table 1
ι	0.001	cm ² s ⁻¹	Table 1
κ	0.001	cm ² s ⁻¹	Table 1
λ	0.001	cm ² s ⁻¹	Table 1
μ	0.001	cm ² s ⁻¹	Table 1
ν	0.001	cm ² s ⁻¹	Table 1
ξ	0.001	cm ² s ⁻¹	Table 1
\omicron	0.001	cm ² s ⁻¹	Table 1
π	0.001	cm ² s ⁻¹	Table 1
ρ	0.001	cm ² s ⁻¹	Table 1
σ	0.001	cm ² s ⁻¹	Table 1
τ	0.001	cm ² s ⁻¹	Table 1
υ	0.001	cm ² s ⁻¹	Table 1
ϕ	0.001	cm ² s ⁻¹	Table 1
χ	0.001	cm ² s ⁻¹	Table 1
ψ	0.001	cm ² s ⁻¹	Table 1
ω	0.001	cm ² s ⁻¹	Table 1
φ	0.001	cm ² s ⁻¹	Table 1
ϑ	0.001	cm ² s ⁻¹	Table 1
ϖ	0.001	cm ² s ⁻¹	Table 1
ς	0.001	cm ² s ⁻¹	Table 1
η	0.001	cm ² s ⁻¹	Table 1
θ	0.001	cm ² s ⁻¹	Table 1
ι	0.001	cm ² s ⁻¹	Table 1
κ	0.001	cm ² s ⁻¹	Table 1
λ	0.001	cm ² s ⁻¹	Table 1
μ	0.001	cm ² s ⁻¹	Table 1
ν	0.001	cm ² s ⁻¹	Table 1
ξ	0.001	cm ² s ⁻¹	Table 1
\omicron	0.001	cm ² s ⁻¹	Table 1
π	0.001	cm ² s ⁻¹	Table 1
ρ	0.001	cm ² s ⁻¹	Table 1
σ	0.001	cm ² s ⁻¹	Table 1
τ	0.001	cm ² s ⁻¹	Table 1
υ	0.001	cm ² s ⁻¹	Table 1
ϕ	0.001	cm ² s ⁻¹	Table 1
χ	0.001	cm ² s ⁻¹	Table 1
ψ	0.001	cm ² s ⁻¹	Table 1
ω	0.001	cm ² s ⁻¹	Table 1
φ	0.001	cm ² s ⁻¹	Table 1
ϑ	0.001	cm ² s ⁻¹	Table 1
ϖ	0.001	cm ² s ⁻¹	Table 1
ς	0.001	cm ² s ⁻¹	Table 1
η	0.001	cm ² s ⁻¹	Table 1
θ	0.001	cm ² s ⁻¹	Table 1
ι	0.001	cm ² s ⁻¹	Table 1
κ	0.001	cm ² s ⁻¹	Table 1
λ	0.001	cm ² s ⁻¹	Table 1
μ	0.001	cm ² s ⁻¹	Table 1
ν	0.001	cm ² s ⁻¹	Table 1
ξ	0.001	cm ² s ⁻¹	Table 1
\omicron	0.001	cm ² s ⁻¹	Table 1
π	0.001	cm ² s ⁻¹	Table 1
ρ	0.001	cm ² s ⁻¹	Table 1
σ	0.001	cm ² s ⁻¹	Table 1
τ	0.001	cm ² s ⁻¹	Table 1
υ	0.001	cm ² s ⁻¹	Table 1
ϕ	0.001	cm ² s ⁻¹	Table 1
χ	0.001	cm ² s ⁻¹	Table 1
ψ	0.001	cm ² s ⁻¹	Table 1
ω	0.001	cm ² s ⁻¹	Table 1
φ			



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